-- icnarc\_\_00\_\_null\_the\_NULLs

-- This script creates 'tbl\_ICNARC\_V2\_copy' and 'tbl\_ICNARC\_V2\_nulled', a copy of the source table and a copy where the values of "NULL" are changed to actual nulls, respectively.

-- Steps:

-- 1) Create a copy of the source table

-- 2) Replace "NULL" with actual nulls in all the columns

-- 1) Create a copy of the source table

CREATE TABLE `yhcr-prd-phm-bia-core.CY\_MYSPACE\_EmW.tbl\_ICNARC\_V2\_copy`

AS

SELECT

\*

FROM `yhcr-prd-phm-bia-core.CY\_STAGING\_DATABASE.tbl\_ICNARC\_v2`;

-- If this fails, check the name of the ICNARC source table in the staging database

-- 2) Replace "NULL" with actual nulls in all the columns

-- get column names

-- SELECT column\_name

-- FROM `yhcr-prd-phm-bia-core.CY\_MYSPACE\_EmW.INFORMATION\_SCHEMA.COLUMNS`

-- WHERE table\_name = 'tbl\_ICNARC\_V2\_copy';

-- download result above, paste this next to them in Excel:

-- ="NULLIF("&A1&", 'NULL') AS "&IF(RIGHT(A1,1) = "\_", LEFT(A1, LEN(A1) - 1), A1)&","

-- this also removes any underscores at the end

-- and paste back here

CREATE TABLE `yhcr-prd-phm-bia-core.CY\_MYSPACE\_EmW.tbl\_ICNARC\_V2\_nulled`

AS

SELECT

-- paste over the columns below

NULLIF(person\_id, 'NULL') AS person\_id,

NULLIF(ADM\_is\_ver2\_adm, 'NULL') AS ADM\_is\_ver2\_adm,

NULLIF(AdmStatus, 'NULL') AS AdmStatus,

NULLIF(Age, 'NULL') AS Age,

NULLIF(Age\_decimal, 'NULL') AS Age\_decimal,

NULLIF(BED\_, 'NULL') AS BED,

NULLIF(Body\_Mass\_Index, 'NULL') AS Body\_Mass\_Index,

NULLIF(CCMDS\_TYPE, 'NULL') AS CCMDS\_TYPE,

NULLIF(Currently\_or\_recently\_pregnant, 'NULL') AS Currently\_or\_recently\_pregnant,

NULLIF(Date\_of\_birth, 'NULL') AS Date\_of\_birth,

NULLIF(DOB\_estimated, 'NULL') AS DOB\_estimated,

NULLIF(Ethnicity, 'NULL') AS Ethnicity,

NULLIF(Exported\_to\_ICNARC, 'NULL') AS Exported\_to\_ICNARC,

NULLIF(FALSE\_NHS\_NO, 'NULL') AS FALSE\_NHS\_NO,

NULLIF(Health\_authority, 'NULL') AS Health\_authority,

NULLIF(Height\_, 'NULL') AS Height,

NULLIF(Height\_Estimate, 'NULL') AS Height\_Estimate,

NULLIF(Height\_measured, 'NULL') AS Height\_measured,

NULLIF(Height\_not\_known, 'NULL') AS Height\_not\_known,

NULLIF(Is\_this\_a\_readmission, 'NULL') AS Is\_this\_a\_readmission,

NULLIF(Missed\_fields\_ICNARC\_export, 'NULL') AS Missed\_fields\_ICNARC\_export,

NULLIF(Month\_component\_for\_age, 'NULL') AS Month\_component\_for\_age,

NULLIF(Patient\_cancelled, 'NULL') AS Patient\_cancelled,

NULLIF(Patient\_discharged, 'NULL') AS Patient\_discharged,

NULLIF(Patient\_ever\_admitted, 'NULL') AS Patient\_ever\_admitted,

NULLIF(Patient\_in\_unit, 'NULL') AS Patient\_in\_unit,

NULLIF(Patient\_refused, 'NULL') AS Patient\_refused,

NULLIF(Post\_code, 'NULL') AS Post\_code,

NULLIF(Religion, 'NULL') AS Religion,

NULLIF(Sex, 'NULL') AS Sex,

NULLIF(UK\_Postcode, 'NULL') AS UK\_Postcode,

NULLIF(Unknown\_Post\_Code, 'NULL') AS Unknown\_Post\_Code,

NULLIF(Weight\_, 'NULL') AS Weight,

NULLIF(Weight\_Estimate, 'NULL') AS Weight\_Estimate,

NULLIF(Weight\_measured, 'NULL') AS Weight\_measured,

NULLIF(Weight\_not\_known, 'NULL') AS Weight\_not\_known,

NULLIF(Actual\_date\_of\_delivery, 'NULL') AS Actual\_date\_of\_delivery,

NULLIF(Assisted\_conception, 'NULL') AS Assisted\_conception,

NULLIF(Expected\_date\_of\_delivery, 'NULL') AS Expected\_date\_of\_delivery,

NULLIF(Gestation\_of\_current\_pregnancy, 'NULL') AS Gestation\_of\_current\_pregnancy,

NULLIF(Gestation\_of\_recent\_pregnancy, 'NULL') AS Gestation\_of\_recent\_pregnancy,

NULLIF(Hysterectomy\_recent\_pregnancy, 'NULL') AS Hysterectomy\_recent\_pregnancy,

NULLIF(Molar\_pregnancy, 'NULL') AS Molar\_pregnancy,

NULLIF(No\_of\_babies\_NICU\_recent\_preg, 'NULL') AS No\_of\_babies\_NICU\_recent\_preg,

NULLIF(No\_of\_live\_births\_or\_stillbirth, 'NULL') AS No\_of\_live\_births\_or\_stillbirth,

NULLIF(No\_of\_livebirths\_recent\_preg, 'NULL') AS No\_of\_livebirths\_recent\_preg,

NULLIF(No\_of\_livebirths\_recent\_preg1, 'NULL') AS No\_of\_livebirths\_recent\_preg1,

NULLIF(No\_of\_previous\_Caesarean, 'NULL') AS No\_of\_previous\_Caesarean,

NULLIF(No\_of\_stillbirths\_recent\_preg, 'NULL') AS No\_of\_stillbirths\_recent\_preg,

NULLIF(Outcome\_of\_recent\_pregnancy, 'NULL') AS Outcome\_of\_recent\_pregnancy,

NULLIF(Admission\_Type, 'NULL') AS Admission\_Type,

NULLIF(Admission\_ward, 'NULL') AS Admission\_ward,

NULLIF(ASA\_Score, 'NULL') AS ASA\_Score,

NULLIF(Booked\_Unit\_Admission\_Date, 'NULL') AS Booked\_Unit\_Admission\_Date,

NULLIF(Booked\_Unit\_Admission\_Time, 'NULL') AS Booked\_Unit\_Admission\_Time,

NULLIF(CPR\_24h\_prior\_unit\_admission, 'NULL') AS CPR\_24h\_prior\_unit\_admission,

NULLIF(Critical\_care\_prior\_to\_adm, 'NULL') AS Critical\_care\_prior\_to\_adm,

NULLIF(Date\_1st\_managed\_by\_unit\_team, 'NULL') AS Date\_1st\_managed\_by\_unit\_team,

NULLIF(Date\_of\_last\_critical\_care, 'NULL') AS Date\_of\_last\_critical\_care,

NULLIF(Delay\_hrs, 'NULL') AS Delay\_hrs,

NULLIF(Episode\_ID, 'NULL') AS Episode\_ID,

NULLIF(Hospital\_admission\_date, 'NULL') AS Hospital\_admission\_date,

NULLIF(Hospital\_Housing\_Location, 'NULL') AS Hospital\_Housing\_Location,

NULLIF(Housing\_Transient\_Location, 'NULL') AS Housing\_Transient\_Location,

NULLIF(ICNARC\_comments, 'NULL') AS ICNARC\_comments,

NULLIF(ICNARC\_Comments\_v3, 'NULL') AS ICNARC\_Comments\_v3,

NULLIF(Location, 'NULL') AS Location,

NULLIF(Location\_prior\_to\_adm\_source, 'NULL') AS Location\_prior\_to\_adm\_source,

NULLIF(Managed\_by\_unit\_team, 'NULL') AS Managed\_by\_unit\_team,

NULLIF(Number\_of\_staffed\_beds, 'NULL') AS Number\_of\_staffed\_beds,

NULLIF(Original\_hosp\_admission\_date, 'NULL') AS Original\_hosp\_admission\_date,

NULLIF(Original\_unit\_admission\_date, 'NULL') AS Original\_unit\_admission\_date,

NULLIF(Other\_intermediate\_care\_area, 'NULL') AS Other\_intermediate\_care\_area,

NULLIF(Outreach\_1st\_visit\_date, 'NULL') AS Outreach\_1st\_visit\_date,

NULLIF(Outreach\_action\_taken, 'NULL') AS Outreach\_action\_taken,

NULLIF(Outreach\_Care\_Level, 'NULL') AS Outreach\_Care\_Level,

NULLIF(Outreach\_last\_visit\_date, 'NULL') AS Outreach\_last\_visit\_date,

NULLIF(Outreach\_last\_visit\_time, 'NULL') AS Outreach\_last\_visit\_time,

NULLIF(Outreach\_MEWS, 'NULL') AS Outreach\_MEWS,

NULLIF(Outreach\_Scored\_on\_ward, 'NULL') AS Outreach\_Scored\_on\_ward,

NULLIF(Outreach\_total\_no\_of\_visits, 'NULL') AS Outreach\_total\_no\_of\_visits,

NULLIF(Outreach\_visited\_prior\_to\_adm, 'NULL') AS Outreach\_visited\_prior\_to\_adm,

NULLIF(PIK\_ID, 'NULL') AS PIK\_ID,

NULLIF(Planned\_admission, 'NULL') AS Planned\_admission,

NULLIF(Pre\_surgical\_preparation, 'NULL') AS Pre\_surgical\_preparation,

NULLIF(Prior\_Location, 'NULL') AS Prior\_Location,

NULLIF(PriorAdm\_Ward, 'NULL') AS PriorAdm\_Ward,

NULLIF(Re\_adm\_Reason, 'NULL') AS Re\_adm\_Reason,

NULLIF(Reason\_for\_non\_admission, 'NULL') AS Reason\_for\_non\_admission,

NULLIF(Residence\_prior\_to\_admission, 'NULL') AS Residence\_prior\_to\_admission,

NULLIF(Sector, 'NULL') AS Sector,

NULLIF(Source\_of\_unit\_admission, 'NULL') AS Source\_of\_unit\_admission,

NULLIF(Surgery\_classification, 'NULL') AS Surgery\_classification,

NULLIF(Surgery\_type, 'NULL') AS Surgery\_type,

NULLIF(Tags, 'NULL') AS Tags,

NULLIF(Time\_1st\_managed\_by\_unit\_team, 'NULL') AS Time\_1st\_managed\_by\_unit\_team,

NULLIF(Timeliness\_of\_admission\_to\_your\_unit, 'NULL') AS Timeliness\_of\_admission\_to\_your\_unit,

NULLIF(Transfer\_on, 'NULL') AS Transfer\_on,

NULLIF(Unit, 'NULL') AS Unit,

NULLIF(Unit\_admission\_date, 'NULL') AS Unit\_admission\_date,

NULLIF(Unit\_admission\_time, 'NULL') AS Unit\_admission\_time,

NULLIF(Classification\_In, 'NULL') AS Classification\_In,

NULLIF(Classification\_Out, 'NULL') AS Classification\_Out,

NULLIF(Event\_date, 'NULL') AS Event\_date,

NULLIF(Event\_time, 'NULL') AS Event\_time,

NULLIF(Prior\_transfer\_in, 'NULL') AS Prior\_transfer\_in,

NULLIF(Transfer\_in\_reason\_, 'NULL') AS Transfer\_in\_reason,

NULLIF(Transfer\_out\_reason, 'NULL') AS Transfer\_out\_reason,

NULLIF(Transfer\_within\_Network\_In, 'NULL') AS Transfer\_within\_Network\_In,

NULLIF(Transfer\_within\_Network\_Out, 'NULL') AS Transfer\_within\_Network\_Out,

NULLIF(Transferred\_from, 'NULL') AS Transferred\_from,

NULLIF(Transferred\_to, 'NULL') AS Transferred\_to,

NULLIF(Transfers\_information, 'NULL') AS Transfers\_information,

NULLIF(Type\_Adult\_ICU\_In, 'NULL') AS Type\_Adult\_ICU\_In,

NULLIF(Type\_Adult\_ICU\_Out, 'NULL') AS Type\_Adult\_ICU\_Out,

NULLIF(ULT\_Classification\_Out, 'NULL') AS ULT\_Classification\_Out,

NULLIF(ULT\_Hospital\_TransTo, 'NULL') AS ULT\_Hospital\_TransTo,

NULLIF(ULT\_ReasonFor\_Out, 'NULL') AS ULT\_ReasonFor\_Out,

NULLIF(ULT\_Transfer\_within\_Network\_Out, 'NULL') AS ULT\_Transfer\_within\_Network\_Out,

NULLIF(ULT\_Type\_Adult\_ICU\_Out, 'NULL') AS ULT\_Type\_Adult\_ICU\_Out,

NULLIF(ULT\_Unit\_Identifier\_Out, 'NULL') AS ULT\_Unit\_Identifier\_Out,

NULLIF(Unit\_admission\_number, 'NULL') AS Unit\_admission\_number,

NULLIF(Unit\_identifier\_in, 'NULL') AS Unit\_identifier\_in,

NULLIF(Unit\_identifier\_out, 'NULL') AS Unit\_identifier\_out,

NULLIF(Burns\_surface\_area, 'NULL') AS Burns\_surface\_area,

NULLIF(Diagnosis\_information, 'NULL') AS Diagnosis\_information,

NULLIF(Inhalation\_Injury, 'NULL') AS Inhalation\_Injury,

NULLIF(Other\_condition\_1\_code, 'NULL') AS Other\_condition\_1\_code,

NULLIF(Other\_condition\_1\_condition, 'NULL') AS Other\_condition\_1\_condition,

NULLIF(Other\_condition\_1\_process, 'NULL') AS Other\_condition\_1\_process,

NULLIF(Other\_condition\_1\_site, 'NULL') AS Other\_condition\_1\_site,

NULLIF(Other\_condition\_1\_system, 'NULL') AS Other\_condition\_1\_system,

NULLIF(Other\_condition\_1\_type, 'NULL') AS Other\_condition\_1\_type,

NULLIF(Other\_condition\_2\_code, 'NULL') AS Other\_condition\_2\_code,

NULLIF(Other\_condition\_2\_condition, 'NULL') AS Other\_condition\_2\_condition,

NULLIF(Other\_condition\_2\_process, 'NULL') AS Other\_condition\_2\_process,

NULLIF(Other\_condition\_2\_site, 'NULL') AS Other\_condition\_2\_site,

NULLIF(Other\_condition\_2\_system, 'NULL') AS Other\_condition\_2\_system,

NULLIF(Other\_condition\_2\_type, 'NULL') AS Other\_condition\_2\_type,

NULLIF(OthReas\_Adm1\_Notes, 'NULL') AS OthReas\_Adm1\_Notes,

NULLIF(OthReas\_Adm2\_Notes, 'NULL') AS OthReas\_Adm2\_Notes,

NULLIF(Primary\_reason\_code, 'NULL') AS Primary\_reason\_code,

NULLIF(Primary\_reason\_condition, 'NULL') AS Primary\_reason\_condition,

NULLIF(Primary\_reason\_process, 'NULL') AS Primary\_reason\_process,

NULLIF(Primary\_reason\_site, 'NULL') AS Primary\_reason\_site,

NULLIF(Primary\_reason\_system, 'NULL') AS Primary\_reason\_system,

NULLIF(Primary\_reason\_type, 'NULL') AS Primary\_reason\_type,

NULLIF(Reason\_Adm1\_Notes, 'NULL') AS Reason\_Adm1\_Notes,

NULLIF(Reason\_Adm2\_Notes, 'NULL') AS Reason\_Adm2\_Notes,

NULLIF(Reason\_for\_admission\_to\_unit\_1, 'NULL') AS Reason\_for\_admission\_to\_unit\_1,

NULLIF(Reason\_for\_admission\_to\_unit\_2, 'NULL') AS Reason\_for\_admission\_to\_unit\_2,

NULLIF(Reason\_for\_admission\_to\_unit\_3, 'NULL') AS Reason\_for\_admission\_to\_unit\_3,

NULLIF(Reason\_for\_admission\_to\_unit\_4, 'NULL') AS Reason\_for\_admission\_to\_unit\_4,

NULLIF(Secondary\_reason\_code, 'NULL') AS Secondary\_reason\_code,

NULLIF(Secondary\_reason\_condition, 'NULL') AS Secondary\_reason\_condition,

NULLIF(Secondary\_reason\_process, 'NULL') AS Secondary\_reason\_process,

NULLIF(Secondary\_reason\_site, 'NULL') AS Secondary\_reason\_site,

NULLIF(Secondary\_reason\_system, 'NULL') AS Secondary\_reason\_system,

NULLIF(Secondary\_reason\_type, 'NULL') AS Secondary\_reason\_type,

NULLIF(Ultimate\_reason\_admission\_code, 'NULL') AS Ultimate\_reason\_admission\_code,

NULLIF(Ultimate\_reason\_admission\_condition, 'NULL') AS Ultimate\_reason\_admission\_condition,

NULLIF(Ultimate\_reason\_admission\_process, 'NULL') AS Ultimate\_reason\_admission\_process,

NULLIF(Ultimate\_reason\_admission\_site, 'NULL') AS Ultimate\_reason\_admission\_site,

NULLIF(Ultimate\_reason\_admission\_system, 'NULL') AS Ultimate\_reason\_admission\_system,

NULLIF(Ultimate\_reason\_admission\_type, 'NULL') AS Ultimate\_reason\_admission\_type,

NULLIF(UltReason\_Adm\_Notes, 'NULL') AS UltReason\_Adm\_Notes,

NULLIF(Active, 'NULL') AS Active,

NULLIF(Anaesthetist, 'NULL') AS Anaesthetist,

NULLIF(Consultant\_Information, 'NULL') AS Consultant\_Information,

NULLIF(Date\_unit\_left, 'NULL') AS Date\_unit\_left,

NULLIF(On\_call, 'NULL') AS On\_call,

NULLIF(Postcode, 'NULL') AS Postcode,

NULLIF(Signature\_list, 'NULL') AS Signature\_list,

NULLIF(Speciality\_1, 'NULL') AS Speciality\_1,

NULLIF(Speciality\_2, 'NULL') AS Speciality\_2,

NULLIF(Telephone, 'NULL') AS Telephone,

NULLIF(Title1, 'NULL') AS Title1,

NULLIF(Coma\_or\_deep\_stupor\_MPM0, 'NULL') AS Coma\_or\_deep\_stupor\_MPM0,

NULLIF(Coma\_or\_deep\_stupor\_MPM24, 'NULL') AS Coma\_or\_deep\_stupor\_MPM24,

NULLIF(Continuous\_IV\_drug\_for\_1hr\_or\_plus, 'NULL') AS Continuous\_IV\_drug\_for\_1hr\_or\_plus,

NULLIF(Date\_Extubated, 'NULL') AS Date\_Extubated,

NULLIF(Heart\_rate, 'NULL') AS Heart\_rate,

NULLIF(Infection\_confirmed, 'NULL') AS Infection\_confirmed,

NULLIF(Intracranial\_mass\_effect, 'NULL') AS Intracranial\_mass\_effect,

NULLIF(Mechanical\_ventilation, 'NULL') AS Mechanical\_ventilation,

NULLIF(MPM\_information, 'NULL') AS MPM\_information,

NULLIF(Systolic\_BP, 'NULL') AS Systolic\_BP,

NULLIF(Time\_Extubated, 'NULL') AS Time\_Extubated,

NULLIF(Total\_Intubated, 'NULL') AS Total\_Intubated,

NULLIF(ACP\_main\_hosp\_speciality, 'NULL') AS ACP\_main\_hosp\_speciality,

NULLIF(Antimicrobials\_used\_to\_treat\_unit\_acquired\_infection, 'NULL') AS Antimicrobials\_used\_to\_treat\_unit\_acquired\_infection,

NULLIF(Assent\_for\_solid\_organ, 'NULL') AS Assent\_for\_solid\_organ,

NULLIF(Bed\_ready\_date, 'NULL') AS Bed\_ready\_date,

NULLIF(Bed\_ready\_time, 'NULL') AS Bed\_ready\_time,

NULLIF(Brainstem\_death\_declared, 'NULL') AS Brainstem\_death\_declared,

NULLIF(Cause\_of\_death, 'NULL') AS Cause\_of\_death,

NULLIF(Classification\_of\_surgery, 'NULL') AS Classification\_of\_surgery,

NULLIF(Clostridium\_difficile, 'NULL') AS Clostridium\_difficile,

NULLIF(Critical\_care\_post\_discharge, 'NULL') AS Critical\_care\_post\_discharge,

NULLIF(CVC\_related\_CDIFF, 'NULL') AS CVC\_related\_CDIFF,

NULLIF(CVC\_related\_MRSA, 'NULL') AS CVC\_related\_MRSA,

NULLIF(CVC\_related\_VRE, 'NULL') AS CVC\_related\_VRE,

NULLIF(Date\_body\_removed, 'NULL') AS Date\_body\_removed,

NULLIF(Date\_brainstem\_death, 'NULL') AS Date\_brainstem\_death,

NULLIF(Date\_of\_death, 'NULL') AS Date\_of\_death,

NULLIF(Date\_of\_first\_critical\_care, 'NULL') AS Date\_of\_first\_critical\_care,

NULLIF(Date\_ult\_unit\_discharge, 'NULL') AS Date\_ult\_unit\_discharge,

NULLIF(Death\_outside\_unit, 'NULL') AS Death\_outside\_unit,

NULLIF(Demise, 'NULL') AS Demise,

NULLIF(Destination, 'NULL') AS Destination,

NULLIF(Discharge\_delay, 'NULL') AS Discharge\_delay,

NULLIF(Discharge\_ward, 'NULL') AS Discharge\_ward,

NULLIF(Hospital\_housing\_location1, 'NULL') AS Hospital\_housing\_location1,

NULLIF(Length\_of\_ultimate\_unit\_stay, 'NULL') AS Length\_of\_ultimate\_unit\_stay,

NULLIF(Length\_of\_unit\_stay, 'NULL') AS Length\_of\_unit\_stay,

NULLIF(Length\_of\_unit\_stay\_Ready, 'NULL') AS Length\_of\_unit\_stay\_Ready,

NULLIF(Length\_stay\_days\_decimal, 'NULL') AS Length\_stay\_days\_decimal,

NULLIF(Length\_stay\_days\_decimal\_Ready, 'NULL') AS Length\_stay\_days\_decimal\_Ready,

NULLIF(Length\_stay\_days\_rounded, 'NULL') AS Length\_stay\_days\_rounded,

NULLIF(Length\_stay\_days\_rounded\_Ready, 'NULL') AS Length\_stay\_days\_rounded\_Ready,

NULLIF(Level\_of\_care\_recd\_at\_discharge, 'NULL') AS Level\_of\_care\_recd\_at\_discharge,

NULLIF(Location1, 'NULL') AS Location1,

NULLIF(Main\_organism\_causing\_first\_unit\_acquired\_infection\_in\_blood, 'NULL') AS Main\_organism\_causing\_first\_unit\_acquired\_infection\_in\_blood,

NULLIF(MEWS\_at\_Discharge, 'NULL') AS MEWS\_at\_Discharge,

NULLIF(MOUAIS, 'NULL') AS MOUAIS,

NULLIF(MRSA, 'NULL') AS MRSA,

NULLIF(NUAIS, 'NULL') AS NUAIS,

NULLIF(digest, 'NULL') AS digest

-- stop your paste here

FROM `yhcr-prd-phm-bia-core.CY\_MYSPACE\_EmW.tbl\_ICNARC\_V2\_copy`;